

SCHOOL OF CHEMICAL AND LIFE SCIENCES**B.Sc. Hons in Clinical Research****SEMESTER-II, EXAMINATION Aug-2024****PAPER CODE: BCR DSE 201****PAPER TITLE: Drug Discovery and Development****Time: 2.5 Hrs.****Maximum Marks: 60**

2023

Write the roll number at the top immediately on receipt of this question paper. Attempt all questions. All parts of a question must be attempted in continuation. Start answering a fresh question on a new page. Cite examples whenever necessary

Q 1. Short Answers

[1.5*10=15]

- a. Define hit compound in drug development
- b. What is target centered drug design.
- c. Define Bioassay
- d. What is the disadvantage associated with bioassays?
- e. Define excipients in drug formulations.
- f. What are pastilles dosage form?
- g. Define mutagens.
- h. Define quality assurance in manufacturing of drugs.
- i. What is micro-dosing.
- j. What is Ames test?

Q2. Attempt **ANY THREE** questions from the following

[5*3=15]

- a. Discuss bio-waiver.
- b. Write a short note on issues associated with extrapolating data from animals to people.
- c. Write a short note on different types of bioassays
- d. Write about animal models in drug development.
- e. Write a short note on sub-acute toxicity study.

Q 3. Attempt **ANY TWO** questions from the following

[15*2= 30]

- a. Explain in detail about combinatorial chemistry with its application and advantages.
- b. Discuss the classification of different dosage form.
- c. Explain in detail about GMP.
- d. Discuss clinical development of a new drugs